Federal Energy and Water Management AWARDS

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(top) Capt Dane Arnholt briefs new fuel efficiency procedures to pilots, navigators and boom operators at Training Day.

SrA Victoria Biggins, 22 LRS/POL, prepares to fuel a KC-135.

A KC-135 crew meets to mission-plan for their flight.

22nd Operations Group Fuel Efficiency Office
U.S. Air Force
McConnell Air Force Base, Kansas

During FY 2012, the 22nd Operations Group Fuel Efficiency Office (FEO) designed and implemented multiple measures, including a focus on institutional culture change, to reduce inefficiency in fuel management of the KC-135 aircraft and save the Air Force $4.3 million during a 42 percent rise in local sorties (the deployment of aircraft for missions of national defense or aircrew proficiency).

These efforts included reducing KC-135 landing fuel by 5000 lb per sortie to save 1.94 million gallons per year; changing the KC-135 standard landing configuration to save 50 lb of fuel per approach; and implementing a new training configuration to reduce aircraft basic weight by 1,600 lb.

The FEO also incorporated Mission Index Flying (MIF) software into flight planning to reduce hourly fuel burn by 700 lb per hour, maximized simulator usage for training to minimize fuel use, and trained 400 aircrew members on the importance of fuel management and how to execute it using the MIF program and fuel trackers. The FEO's efforts were recognized by the Air Force Air Mobility Command in 2012, and they have become the benchmark by which the other Air Force units are gauged.